

FORM

SYNOPSIS

Index: Fo 04.01.01-02

Edition: P

Date: 03.09.2013 г.

Page 1 of 2

ROENGENOLOGY

- 1. Roentgen rays. Physical parameters of the image. Imaging geometry
- 2. Radiophysics. Interactions radiation with matter and radioactivity.
- 3. Patient dose. Quantities and units of radiation dose.
- 4. Radiation biology. Radiation protection Patient, Personnel.
- 5. Projection X-ray images: radiography, fluoroscopy and fluorography.
- 6. Conventional tomography. Computed tomography (CT).
- 7. Diagnostic ultrasound. Doppler sonography.
- 8. Magnetic resonance imaging (MRI).
- 9. Contrast media in the Radiology.
- 10. Musculoskeletal Radiology. Methods of examination.
- 11. Osseous system normal anatomy.
- 12. Skeletal trauma. Physeal and epiphyseal injuries.
- 13. Musculoskeletal system inflammatory disease.
- 14. Musculoskeletal system degenerative disease.
- 15. Osseous system tumors and tumor-like conditions. Metastases.
- 16. Chest Radiology. Method of examination.
- 17. The Normal Chest: Systematic Search.
- 18. Chronic bronchitis and emphysema.
- 19. Bronchiectasis and lung abscess.
- 20. Pneumonia and bronchopneumonia.
- 21. Pleural lesions.
- 22. Mediastinal lesions.
- 23. Diaphragmal lesions.
- 24. Pulmonary embolism. Pulmonary infraction.
- 25. Inhalation's disease Silicosis.
- 26. Lung tuberculosis.
- 27. Pulmonary Neoplasm. Metastases.
- 28. Cardiovascular Radiology. Methods of examination.
- 29. The Heart. Normal Anatomic structures.
- 30. Mitral valve disease.
- 31. Aortic valvular disease.
- 32. Pericardial disease.
- 33. Gastrointestinal Radiology. Radiological technique for examination.
- 34. Gastrointestinal tract. Normal anatomy.
- 35. Method of examination the liver, biliary tract, pancreas and spleen.
- 36. Pathological conditions of the esophagus motility disorders, esophagitis, diverticulosis, varices and esophageal carcinoma.
- 37. Gastric and Duodenal Ulcers.
- 38. Bowel Obstruction and Ileus.
- 39. Small Bowel Erosions and Ulceration.
- 40. Colon inflammatory Disease.
- 41. Colon Polyps and Colon Cancer.
- 42. Gallbladder Disease.
- 43. Liver Disease.
- 44. Pancreas Disease.
- 45. Spleen Disease.

	FORM	Index: Fo 04.01.01-02
		Edition: P
	SYNOPSIS	Date: 03.09.2013 г.
		Page 2 of 2

- 46. Genitourinary Radiology. Imaging Methods.
- 47. Kidney and Urinary Tract. Normal anatomy.
- 48. Congenital anomalies of the Urinary Tract.
- 49. Acute and Chronic Pyelonephritis.
- 50. Calculi and Hydronephrosis.
- 51. Renal cell carcinoma.
- 52. The Bladder and Urethra Disease.

ПРЕПОРЪЧВАНА ЛИТЕРАТУРА:

- 1. G.Simon "X-ray diagnosis for clinical student"-1975
- 2. R.Daffner "Clinical radiology .The Essentials."
- 3. J.Sidhva Sorab "A synopsis of radiology and imaging"
- 4. D.Sutton "Radiology and imaging for medical students" 1992